JVC

USB CONNECTION KIT

INSTRUCTIONS

LYT0734-001A

EN

IMPORTANT

TO CUSTOMERS:

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What is the USB Connection Kit?

The USB connection kit is software packets that allow you to transfer images from the digital video camera to a personal computer running the Windows® 98/2000/Me or Macintosh operating system using the USB cable.
Once you have transferred images from your camera to your computer, you can use the provided "Presto! Mr. Photo Gold" to process, edit, and organize your images.

CAUTION:

- Do not attempt to play the provided CD-ROM on an audio CD player or portable CD player. Doing so could generate excessively strong signals that could damage the circuitry or speakers in an audio CD player.

How to handle a CD-ROM

- Take care not to soil or scratch the mirror surface (opposite to the printed surface). Do not write anything or put a sticker on either the front or back surface. If the CD-ROM gets dirty, gently wipe it with a soft cloth outward from the center hole using a circular motion.
- Do not use conventional disc cleaners or cleaning spray.
- Do not bend the CD-ROM or touch its mirror surface.
- Do not store your CD-ROM in a dusty, hot or humid environment. Keep it away from direct sunlight.

SECTION FOR Windows®

Operating Environment

The host computer that runs the Windows® operating environment must satisfy the following conditions.

USB Driver

1. Microsoft® Windows® 98 (pre-installed)/ Microsoft® Windows® 98 Second Edition (pre-installed)
2. USB connector
3. CD-ROM drive

* The system requirements information is not a guarantee that provided software applications will work on all personal computers meeting those requirements.
* Microsoft®, Windows® are either registered trademarks or trademarks of Microsoft corporation in United States and/or other countries.
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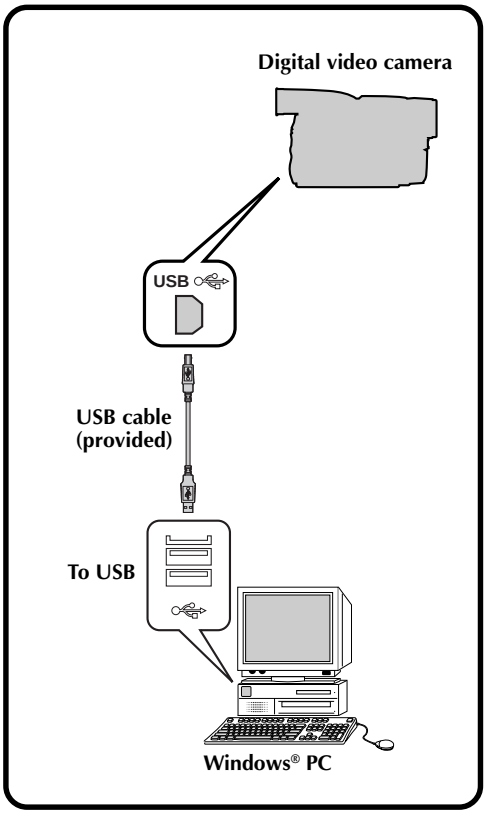
NOTE:

- *If you are using Windows® 2000 Professional/ Windows® Me, the information file (.inf) that is needed in order to install the standard driver that is provided with the OS is provided in this packet.*

Connection

- Connect the camera directly to the USB on the computer. The camera may not operate properly if it is connected to a USB hub.
- Use only the provided USB cable; do not use an extension cable.
- We recommend that you use the AC Power Adapter/Charger.



Installing the Software (For Windows® 98)

For details on the basic operation of Windows® 98, refer to the instruction manual provided with your computer or Windows® 98.

Preparation

Start Windows® 98.

- If you are running other software, close that software. (Make sure that there are no other application icons open on the task bar.)

1 **Set the VIDEO/DSC switch to "DSC".**

2 **Turn the camera's POWER switch to " PLAY ".**

3 **Connect the camera to the computer using the provided USB cable. (☞ pg. 5)**

- The "Add New Hardware Wizard" window will appear.
- "USB MODE" appears on the LCD panel.

4 **Load the provided CD-ROM to the CD-ROM drive.**

5 **Click the "Next" button.**

6 **Click the "Next" button.**

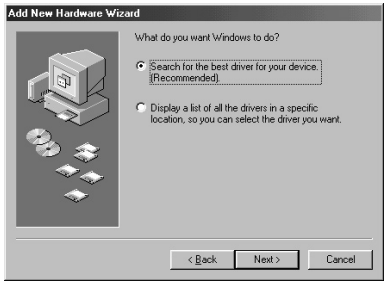
7 **Confirm that "CD-ROM drive" has been checked, then click the "Next" button.**

- When the loaded CD-ROM is not found, click "Browse" button and select the provided CD-ROM.

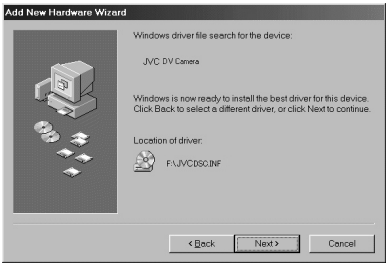
8 **Click the "Next" button.**

9 **Click the "Finish" button.**

Add New Hardware Wizard
This wizard searches for new drivers for:
DV Camera
A device driver is a software program that makes a hardware device work.
< Back
Next >
Cancel


Add New Hardware Wizard
What do you want Windows to do?
Search for the best driver for your device. (Recommended).
Display a list of all the drivers in a specific location, so you can select the driver you want.
< Back
Next >
Cancel

Add New Hardware Wizard
Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected locations. Click Next to start the search.
Floppy disk drives
CD-ROM drive
Microsoft Windows Update
Specify a location:
C:\WINDOWS
Browse...
< Back
Next >
Cancel


Add New Hardware Wizard
Windows driver file search for the device:
JVC DV Camera
Windows is now ready to install the best driver for this device. Click Back to select a different driver, or click Next to continue.
Location of driver:
F:\JVCDSC.INF
< Back
Next >
Cancel

Add New Hardware Wizard
JVC DV Camera
Windows has finished installing the software you selected that your new hardware device requires.
< Back
Finish
Cancel

Installing the Software (For Windows® 2000)

For details on the basic operation of Windows® 2000, refer to the instruction manual provided with your computer or Windows® 2000.

Preparation

Start Windows® 2000.

- If you are running other software, close that software. (Make sure that there are no other application icons open on the task bar.)

1 **Set the VIDEO/DSC switch to "DSC".**

2 **Turn the camera's POWER switch to "PLAY".**

3 **Connect the camera to the computer using the provided USB cable. (☞ pg. 5)**

- The "Add New Hardware Wizard" window will appear.
- "USB MODE" appears on the LCD panel.

4 **Load the provided CD-ROM to the CD-ROM drive.**

5 **Click the "Next" button.**

6 **Click the "Next" button.**

7 **Confirm that "CD-ROM drive" has been checked, then click the "Next" button.**

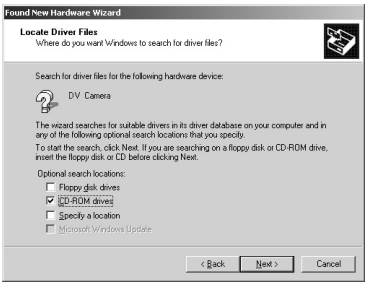
- When the loaded CD-ROM is not found, click "Browse" button and select the provided CD-ROM.

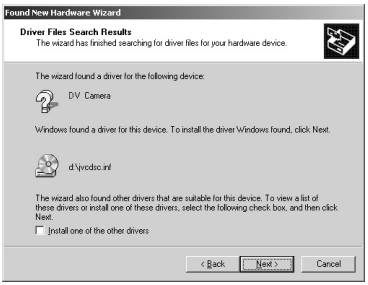
8 **Click the "Next" button.**

9 **Click the "Finish" button.**

Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
This wizard helps you install a device driver for a hardware device.
To continue, click Next.
< Back
Next >
Cancel

Found New Hardware Wizard
Install Hardware Device Drivers
A device driver is a software program that enables a hardware device to work with an operating system.
This wizard will complete the installation for this device:
DV Camera
A device driver is a software program that makes a hardware device work. Windows needs driver files for your new device. To locate driver files and complete the installation click Next.
What do you want the wizard to do?
Search for a suitable driver for my device (recommended)
Display a list of the known drivers for this device so that I can choose a specific driver
< Back
Next >
Cancel


Found New Hardware Wizard
Locate Driver Files
Where do you want Windows to search for driver files?
Search for driver files for the following hardware device:
DV Camera
The wizard searches for suitable drivers in its driver database on your computer and in any of the following optional search locations that you specify.
To start the search, click Next. If you are searching on a floppy disk or CD-ROM drive, insert the floppy disk or CD before clicking Next.
Optional search locations:
Floppy disk drives
CD-ROM drives
Specify a location
Microsoft Windows Update
< Back
Next >
Cancel


Found New Hardware Wizard
Driver Files Search Results
The wizard has finished searching for driver files for your hardware device.
The wizard found a driver for the following device:
DV Camera
Windows found a driver for this device. To install the driver Windows found, click Next.
d:\jvcdsc.inf
The wizard also found other drivers that are suitable for this device. To view a list of these drivers or install one of these drivers, select the following check box, and then click Next.
Install one of the other drivers
< Back
Next >
Cancel

Found New Hardware Wizard
Completing the Found New Hardware Wizard
JVC DV Camera
Windows has finished installing the software for this device.
To close this wizard, click Finish.
< Back
Finish
Cancel

Installing the Software (For Windows® Me)

For details on the basic operation of Windows® Me, refer to the instruction manual provided with your computer or Windows® Me.

Preparation

Start Windows® Me.

- If you are running other software, close that software. (Make sure that there are no other application icons open on the task bar.)

1 **Set the VIDEO/DSC switch to "DSC".**

2 **Turn the camera's POWER switch to " PLAY ".**

3 **Connect the camera to the computer using the provided USB cable. (☞ pg. 5)**

- The "Add New Hardware Wizard" window will appear.
- "USB MODE" appears on the LCD panel.

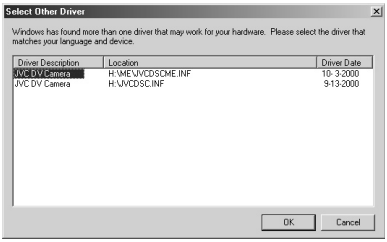
4 **Load the provided CD-ROM to the CD-ROM drive.**

5 **Click the "Next" button.**

6 **Select the "JVCDSCME.INF" in the "ME" folder, and click the "OK" button.**

7 **Click the "Finish" button.**

Add New Hardware Wizard
Windows has found the following new hardware:
DV Camera
Windows can automatically search for and install software that supports your hardware. If your hardware came with installation media, insert it now and click Next.
What would you like to do?
Automatic search for a better driver (Recommended)
Specify the location of the driver (Advanced)
< Back
Next >
Cancel



Add New Hardware Wizard
JVC DV Camera
Windows has finished installing the software you selected that your new hardware device requires.
< Back
Finish
Cancel

Copying Image Data from the Digital Video Camera to the Computer

For details on the basic operation of Windows® 98/2000/Me, refer to the instruction manual provided with your computer or Windows® 98/2000/Me.

Preparation

Start Windows® 98/2000/Me.

- Insert the memory card into the camera. Make sure in advance that the memory card contains data which you want to copy onto the PC.

1 **Set the VIDEO/DSC switch to "DSC".**

2 **Turn the camera's POWER switch to "PLAY".**

3 **Connect the camera to the computer using the provided USB cable. (☞ pg. 5)**

- "USB MODE" appears on the LCD panel.

4 **Double click on the "My Computer" icon.**

- If the camera is connected to the computer properly, the "Removable Disc" icon appears. The "Removable Disc" icon allows you to check the image data in the camera.

5 **Double click the "Removable Disc" icon and copy the desired files from the still image data folder.**

- **Note to Windows® 2000/Me Users**
  Perform the following operation when disconnect the USB cable.
  1. Double click on the "Unplug or Eject Hardware" icon displayed on the task bar.
  2. Select "JVC DV CAMERA" and click the "Stop" button on the "Unplug or Eject Hardware" window.
  3. Click the "OK" button on the "Stop a Hardware device" window.

NOTES:

- *Always initialize a Memory Card (a MultiMediaCard or an SD Memory Card) before using it with the digital video camera. (For details on the initialization procedure, refer to the digital video camera's manual.)*
  If the camera is connected to a personal computer through the USB interface, there are circumstances in which it might not be possible to read or write files.
- *When a file is being accessed from a personal computer, the message "ACCESSING FILE" is displayed on the LCD panel on the camera. Never disconnect the USB cable while this message is displayed.*
- *Disconnect the USB cable and then turn the computer off or operate the Power dial on the camera.*

SECTION FOR Macintosh

Operating Environment

The host computer that runs the Macintosh operating environment must satisfy the following conditions.

USB Driver

1. Mac OS 8.5.1/Mac OS 8.6 environment on an iMac, iBook, Power Macintosh G3/Power Mac G4, or PowerBook G3
2. Standard USB connector

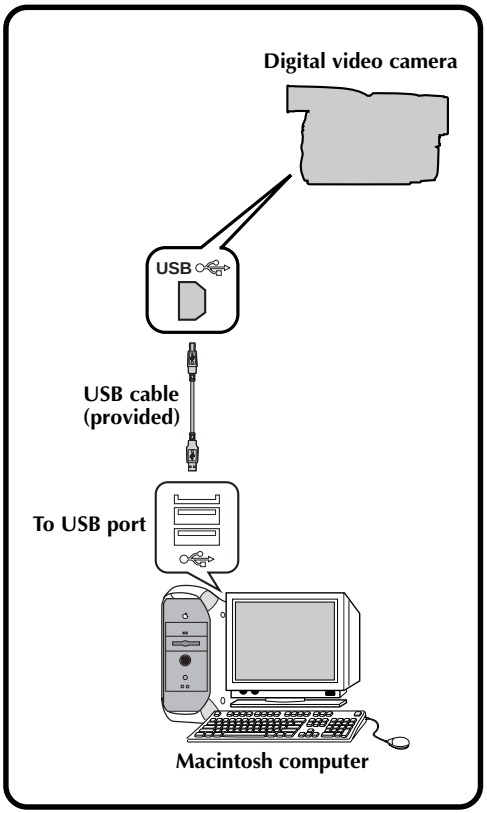
* The system requirements information is not a guarantee that provided software applications will work on all personal computers meeting those requirements.
* Macintosh is a registered trademark of Apple Computer, Inc.
* Other trademarks are property of their respective owners.

NOTES:

- *If you are using Mac OS 9 on one of the above computers, you do not need to use this driver; you can use the standard driver that is provided with the OS.*
- *Install the Macintosh Update if necessary. For details, visit Apple Computer's website at http://www.apple.com/*

Connection

- Connect the camera directly to the USB port on the computer. The camera may not operate properly if it is connected to a USB hub.
- Use only the provided USB cable; do not use an extension cable.
- We recommend that you use the AC Power Adapter/Charger.



Installing the Software

For details on the basic operation of Mac, refer to the instruction manual provided with your Mac.

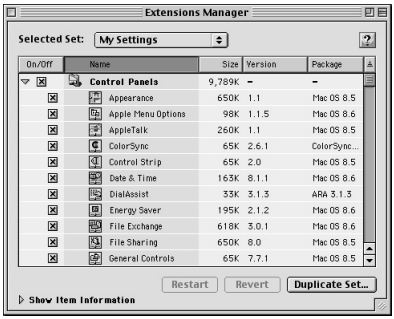
Preparation

Start Macintosh.

- If you are running other software, close that software.

1 **In the Apple menu “Control Panels”, select the “Extensions Manager”.**

- The “Extensions Manager” dialog box appears.


Extensions Manager
Selected Set: My Settings
On/Off
Name
Size
Version
Package
Control Panels 9,789K – –
Appearance 650K 1.1 Mac OS 8.5
Apple Menu Options 98K 1.1.5 Mac OS 8.6
AppleTalk 260K 1.1 Mac OS 8.5
ColorSync 65K 2.6.1 ColorSync...
Control Strip 65K 2.0 Mac OS 8.5
Date & Time 163K 8.1.1 Mac OS 8.6
DialAssist 33K 3.1.3 ARA 3.1.3
Energy Saver 195K 2.1.2 Mac OS 8.6
File Exchange 618K 3.0.1 Mac OS 8.6
File Sharing 650K 8.0 Mac OS 8.5
General Controls 65K 7.7.1 Mac OS 8.5
Restart
Revert
Duplicate Set...
Show Item Information

2 **If the “File Exchange” checkbox is unchecked, click it so that the box is checked.**

- If you had to click the box so that it was checked, restart the computer. If the box was already checked, close the “Extensions Manager”.

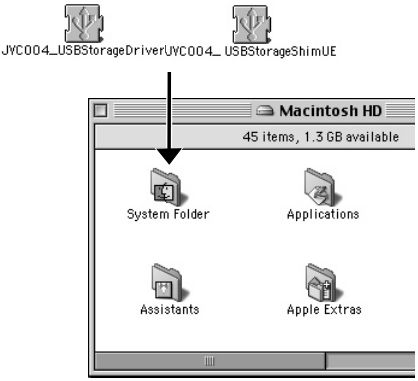
3 **Load the provided CD-ROM to the CD-ROM drive.**

4 **Double click on the loaded CD-ROM icon.**

5 **Double click on “Driver” folder.**

6 **Drag the “JVC004_USBStorageDriver” and “JVC004_USBStorageShimUE” icons to the “Extensions” in the “System Folder”, then drop the icons there.**

- The USB driver is copied in the “Extensions” folder.



7 **Restart the computer.**

Copying Image Data from the Digital Video Camera to the Computer

For details on the basic operation of Mac, refer to the instruction manual provided with your Mac.

Preparation

Start Macintosh.

- Insert the memory card into the camera. Make sure in advance that the memory card contains data which you want to copy onto the Mac.

1 **Set the VIDEO/DSC switch to "DSC".**

2 **Turn the camera's POWER switch to " PLAY ".**

3 **Connect the camera to the computer using the provided USB cable. (☞ pg. 10)**

- "USB MODE" appears on the LCD panel.

4 **Confirm the "untitled" icon appears on the desktop.**

- If the camera is connected to the computer properly, the "untitled" icon appears.

5 **Double click the "untitled" icon and copy the desired files from the still image data folder.**

NOTES:

- *After the data has been copied, drop the "untitled" icon in the trash and disconnect the USB cable.*
- *Always initialize a Memory Card (a MultiMediaCard or an SD Memory Card) before using it with the digital video camera. (For details on the initialization procedure, refer to the digital video camera's manual.)*
  If the camera is connected to a personal computer through the USB interface, there are circumstances in which it might not be possible to read or write files.
- *When a file is being accessed from a personal computer, the message "ACCESSING FILE" is displayed on the LCD panel on the camera. Never disconnect the USB cable while this message is displayed.*
- *Disconnect the USB cable and then turn the computer off or operate the Power dial on the camera.*

Uninstalling the Software

When you do not need the software, execute uninstallation.

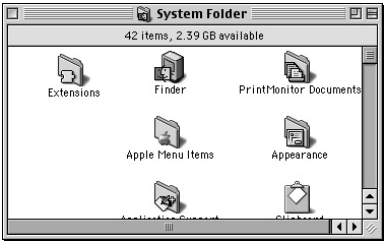
Preparation

Start Macintosh.

- If you are running other software, close that software.

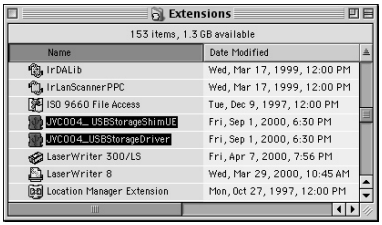
1 **Double click the "System Folder" icon.**

- The System Folder opens.



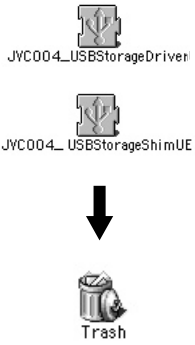
2 **Double click the "Extensions" folder icon.**

- The Extensions folder opens.



3 **Drag the "JVC004_USBStorageDriver" and "JVC004_USBStorageShimUE" icons to the "Trash", then drop the icons there.**

- If you want to delete the file completely, restart the computer and then empty the trash.



MEMO

Mr. Photo Gold:

Presto! Mr. Photo

For Windows and Macintosh

Presto! PhotoAlbum

For Windows and Macintosh

Presto! ImageFolio

For Windows

* Please consult your nearest NewSoft service center for technical support. (see next page)

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NewSoft international service centre:

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E-mail: tech@newsoftinc.com
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rue Delizy 93692 Pantin, France
Tel: 33-1-4810-7585 Fax: 33-1-4810-7555

Presto! Mr. Photo

Mr. Photo stores and catalogues all of your valuable photos. You can sort photos and film "rolls" by date and title (For Macintosh: This function is not supported.), or search by keyword, date, and other image properties. Then drag-and-drop photos to the Application Bar to create photo masterpieces using ready-made templates or design electronic photo albums. Click the Slide Show icon to view selected photos in a "roll" of film (For Macintosh: This function is not supported.), or drag-and-drop a photo to the E-mail icon to send it to family and friends.

Features

- Acquire photos from digital cameras, scanners, floppy disks, PhotoCDs, and the Internet.
  (For Macintosh: Macintosh also supports acquiring photos from Plug-In compliant devices.)
- Catalogue photos in "rolls" of film that you can customize and rearrange.
- Enhance photos instantly (remove red-eye, adjust brightness/contract, blur/sharpen).
- Drag-and-drop photos to print, e-mail, create HTML slide shows, or post on the Internet.
  (For Macintosh: This function is not supported.)
- Drag-and-drop photos to other applications for further editing or creative projects.
- Save photos as a screen saver or as wallpaper.
  (For Macintosh: This function is not supported.)
- Print stickers, labels, and photo catalogues.

System Requirements

For Windows

- Digital Camera plus digital camera software.
- Scanner, if you intend to scan photos.
- A PC with at least a 486 microprocessor (a Pentium processor is recommended) and 16 MB RAM.
- Recommend at least 30 MB of hard disk space available after installation. Mr. Photo will need this space to work in.
- A CD-ROM drive to load Mr. Photo.
- Super VGA display card.
- MS Windows 95, 98, 2000 or Windows NT 4.0.

For Macintosh:

- A Power Macintosh computer.
- System 7.5 or later.
- CD-ROM drive.
- Hard drive with 30MB free disk space.
- 16MB RAM (32MB is recommended).
- At least 36MB virtual memory.

Presto! PhotoAlbum helps you create electronic photo albums that keep your memories alive forever. Just drag-and-drop photos, frames, clip art, textures, and special effects. You can also personalize your albums with voice-overs and sound effects, then produce album slide shows to post to the Internet or send completed albums by e-mail.

Features

- Scan or import your photos from digital cameras and scanners.
- Auto color correction for input photos.
- Drag-and-drop easy-editing operation.
- Photo Browser with thumbnail views of photos.
- Share albums with an Internet Browser.
- Library of over 500 pieces of clip art for decoration.
- Sound attachment with albums, pages and photos.
- Independent album playback support.
- Supports popular file formats: TIF, PCX, BMP, TGA, JPG, PCD, WMF, FPX, PNG, etc. (For Macintosh: WMF, PNG, FPX are not supported.)

System Requirements

For Windows

- An IBM PC 486, Pentium or compatible computer.
- A CD-ROM drive.
- A hard disk drive with at least 50 MB space available to hold and run the program effectively.
- At least 16 MB of RAM (preferably 32 MB).
- MS Windows 95, 98, 2000 or Windows NT 4.0.

For Macintosh:

- A Power Macintosh or Macintosh with 68030 or higher processor.
- A CD-ROM drive.
- A hard disk drive with at least 127 MB space available to hold and run the program effectively. (67 MB for the software, and a minimum of 60 MB to be used as virtual memory for efficient use of the program.)
- At least 16 MB of RAM (preferably 48 MB).
- System 7.5 or later.

Recommended System Requirements

- A sound card with a microphone.
- A color printer.
- A network browser such as Internet Explorer 3.0 or Netscape Navigator 3.0, or later.

ImageFolio is a comprehensive multimedia image processing program running under MS Windows 95, 98 or Windows NT. It enables you to process in detail on your computer screen scanned images such as photographs, graphics and drawings, as well as images captured from video devices such as a VCR, a laser disc, a digital camera, a video capture box, etc.
You can create new images by using the powerful tools included in the software. Its sophisticated set of image editing tools enables you to quickly sketch an image canvas in order to create a new image, or to enhance pre-existing ones. With this software, your imagination is your only limit!

Features

Image Input

- Captures images from flatbed/hand scanner, digital camera, capture box, etc.
- **Auto & Semi-auto image stitching for inputting large-sized images.**
- Loading/saving images with various popular file formats such as TIF, PCX, BMP, TGA, JPG, PCD, WMF, PNG, etc.
- New Flash Pix format support.

Image Output

- Print color-adjustment variations for examining the printing effect before actual printing.
- OLE 2.0 support for stand-alone editing mode.
- Easy artwork design for home page production and HTML applications.

Image Editing and Processing

- **Multiple-layer single document for complicated object organization.**
- Drag-and-drop floating images among documents (moving a selected area to new or other canvases).
- Precise color selection by setting color channels or choosing from a palette.
- Complete drawing and painting set of tools to work on images such as line, paint-brush, airbrush, color gradation, eraser, zoom, text, eyedropper, free-hand rotate, hue/saturation brush, brightness/darkness brush, blur/sharpen brush, image hose, etc.
- **Definable image hose tool for quick insertion of image set on canvas.**
- Anti-alias feature with all graphic tools to enhance the drawing effect.
- Full selection tools for easy masking of irregularities in objects.
- Creating magic 3D effects with definable light source for selected objects with one touch.

- Generating object shadows in selectable light directions with one touch.
- Elegant templates provided for easy applications of daily-life photo usage.
- Image fine-tuning functions to adjust brightness, contrast, hue, saturation, tone distribution (equalization) and so on.
- Multiple filters to produce special effects such as smooth, sharpen, edge detection, emboss and mosaic.
- Effect browser providing previews in actual size of image, processed with all the fine-tuning functions and filters.
- 16- and 32- bit Adobe™ plug-in filter interface support.

System Requirements

The following hardware devices and software are required to run the software:

- An IBM PC 486, Pentium or compatible computer.
- One CD-ROM drive.
- One hard disk drive with at least 60 MB space available to hold and run the program effectively.
- At least 8 MB of RAM (preferably 16 MB).
- MS Windows 95, 98, 2000 or Windows NT 4.0.

To make fully efficient use of the program, the following additional hardware and software elements are highly recommended:

- 50 MB or more of virtual memory.
- A color printer supported by MS Windows 95, 98.

Installing Mr. Photo, PhotoAlbum and ImageFolio

For Windows:

Follow the steps below to install Mr. Photo, PhotoAlbum and ImageFolio.

1. Insert the program CD into your CD-ROM drive.
2. Press the Start button and choose Run.
3. Type [drive]:\setup.exe and choose OK. The installation program will automatically detect the language being used in the version of Windows you are running.
4. Follow the instructions on your screen as they appear.

For Macintosh:

To install Mr. Photo and PhotoAlbum:

1. Insert the program CD into your CD-ROM drive.
2. Open CD. Double click on the Mr. Photo Installer or PhotoAlbum Installer icon to launch the setup program.

Then follow the on-screen instructions to complete the installation.

NOTICE FOR USERS

Use of this software is authorized according to the terms of the software license.

When contacting the nearest JVC office or agency in your country about this software, please fill out the following and have the appropriate information ready.

Product Name		
Model		
Problem		
Error Message		
PC	Manufacturer	
	Model	☐ Desktop ☐ Laptop
	CPU	
	OS	
	Memory	MB
	Available Hard Disk Space	MB

Please note that it may take some time to respond to your questions, depending on their subject matter.

JVC cannot answer questions regarding basic operation of your PC, or questions regarding specifications or performance of the OS, other applications or drivers.

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USB
CONNECTION KIT

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